

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

**San Angelo, TX**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

YEAR

**August**

**2010**

TO: Hydrologic Information Center, W/OS31  
NOAA's National Weather Service  
1325 East West Highway  
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

**September 17, 2010**

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

August was generally a hot and dry month for much of the hydrologic service area (HSA). In Abilene, there were 11 days in August where temperatures reached 100 degrees or more. Abilene tied for the 10<sup>th</sup> warmest August on record. In San Angelo, there were 25 days in August where temperatures reached 100 degrees or more. San Angelo tied for the 2<sup>nd</sup> warmest August on record. In Junction, there were 17 days in August where temperatures reached 100 degrees or more.

While much of the month was dominated by a strong upper level high pressure system, a few weak systems were able to push through the region and bring some rain. On the 6<sup>th</sup> of the month, thunderstorm activity in the panhandle produced weak boundaries that moved through the Big Country, Heartland and eastern Concho Valley. Isolated areas in southern Sterling, western Concho, McCulloch and San Saba Counties received as much as two inches of rain. On the 16<sup>th</sup> of the month, storms over the Red River produced several boundaries that continued on through the western Big Country, Concho Valley and Heartland. From the 16<sup>th</sup> through the 18<sup>th</sup>, scattered showers and thunderstorms produced as much as one to three inches in isolated parts of Nolan, Taylor, Runnels, Concho and McCulloch Counties. Finally, later in the month, around the 24<sup>th</sup> through 25<sup>th</sup>, a cold front pushed through the region setting off showers and thunderstorms over much of the southern half of the HSA. Scattered areas across Crockett, Sutton, Tom Green, Concho and McCulloch Counties received one to three inches of rain.

The average precipitation reported from coop observers in August was 0.98 of an inch. The highest monthly precipitation total of 3.75 inches was reported in McCulloch County. Coop observers in Fisher, McCulloch, Menard and Sterling Counties received over 2.00 inches of rain in August.

The San Angelo Regional Airport received 1.10 inches of precipitation during August, which was 0.95 of an inch below normal for the month. The monthly normal rainfall for San Angelo in August is 2.05 inches.

The Abilene Regional Airport received 0.40 of an inch of precipitation during August, which was 2.23 inches below normal for the month. The monthly normal rainfall for Abilene in August is 2.63 inches.

Junction received 0.85 of an inch of rain during August. The estimated average monthly rainfall in August is about 2.75 inches.

**Coop Observer Rainfall Totals for August, 2010:**

<b>Station Name</b>	<b>Amount (in)</b>		<b>Station Name</b>	<b>Amount (in)</b>
Albany	0.35		Mertzon 12NNW	1.39
Anson	1.55		Ozona 22SE	0.54
Ballinger 2NW	0.00		Paint Rock	0.94
Brady	3.75		Putnam	0.46
Brownwood	0.19		Red Bluff Crossing	1.15
Burkett	1.07		Robert Lee	0.17
Coleman	0.19		Roscoe	0.53
Concho Park	0.80		Rotan	2.35
Eden	1.48		San Angelo WFO	1.36
Eldorado	1.64		San Saba 7NW	1.78
Eldorado 10W	1.23		Santa Anna 12SSE	0.11
Fort Griffin	0.50		Silver Valley	0.76
Fort McKavett	1.10		Sonora	0.90
Glen Cove 2NE	0.03		Stamford	0.22
Hamlin	1.88		Sterling City	2.01
Haskell	1.09		Taylor Ranch	0.79
Hords Creek	0.51		Throckmorton 7NE	1.10
Junction 4SSW	0.52		Water Valley	0.17
Lawn	0.64		Winters 1NE	0.13
Mason	0.17		Woodson	1.95
Menard	2.08		(M) <i>Missing data</i>	
Merkel 12SW	1.74		(T) <i>Trace</i>	

**Reservoir Conditions (end of August, 2010)**

<b>Reservoir</b>	<b>Conservation Capacity (Ac-Ft)</b>	<b>End of Month Capacity (Ac-Ft)</b>	<b>Percent of Capacity (%)</b>
Fort Phantom Hill	70,030	61,010	87
Lake Stamford	51,570	51,570	100
Hubbard Creek Lake	317,800	199,170	63
Hords Creek Lake	8,800	3,190	39
Lake Brownwood	131,428	88,090	67
E.V. Spence	488,760	20,890	4
O.C. Fisher	119,200	2,770	2
O.H. Ivie	554,340	206,260	37
Twin Buttes	177,800	37,360	21

**Hydro Products Issued**

FLS = 12 (Urban/Small Stream Advisory)

ESF = 2 (Probabilistic Forecast)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for August across the San Angelo HSA is depicted below.

